

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 09/893,878c

Source: FW/6

Date Processed by STIC: 11/3/05

ENTERED



IFW 1/6

RAW SEQUENCE LISTING

DATE: 11/03/2005

PATENT APPLICATION: US/09/893,878C

TIME: 10:16:03

Input Set : D:\25 D0617.70002US10 MXA seq list.txt

Output Set: N:\CRF4\11032005\I893878C.raw

3 <110> APPLICANT: Ladner, Robert Charles
4 Guterman, Sonia Kosow
5 Roberts, Bruce Lindsay
6 Markland, William
7 Ley, Arthur Charles
8 Kent, Rachel Baribault
10 <120> TITLE OF INVENTION: DIRECTED EVOLUTION OF NOVEL BINDING PROTEINS
12 <130> FILE REFERENCE: D0617.70002US10
14 <140> CURRENT APPLICATION NUMBER: 09/893,878C
15 <141> CURRENT FILING DATE: 2001-06-29
17 <150> PRIOR APPLICATION NUMBER: 08/993,776
18 <151> PRIOR FILING DATE: 1997-12-18
20 <150> PRIOR APPLICATION NUMBER: 08/415,922
21 <151> PRIOR FILING DATE: 1995-04-03
23 <150> PRIOR APPLICATION NUMBER: 08/009,319
24 <151> PRIOR FILING DATE: 1993-01-26
26 <150> PRIOR APPLICATION NUMBER: 07/664,989
27 <151> PRIOR FILING DATE: 1991-03-01
29 <150> PRIOR APPLICATION NUMBER: 07/487,063
30 <151> PRIOR FILING DATE: 1990-03-02
32 <150> PRIOR APPLICATION NUMBER: 07/240,160
33 <151> PRIOR FILING DATE: 1988-09-02
35 <160> NUMBER OF SEQ ID NOS: 304
37 <170> SOFTWARE: PatentIn version 3.3
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50 <223> OTHER INFORMATION: Xaa can be any naturally occurring amino acid
52 <220> FEATURE:
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55 <223> OTHER INFORMATION: Xaa can be any naturally occurring amino acid
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59 <222> LOCATION: (7)..(9)
60 <223> OTHER INFORMATION: Xaa can be any naturally occurring amino acid
62 <220> FEATURE:

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-> 88 Xaa Xaa His Xaa Xaa Xaa His Xaa Xaa Xaa Xaa Xaa
89 20 25
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Input Set : D:\25 D0617.70002US10 MXA seq list.txt

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 190 <400> SEQUENCE: 3

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 193 1 5 10 15

-> 196 Leu Xaa Xaa His Xaa Xaa Xaa His Xaa Xaa Xaa Xaa Xaa
 197 20 25

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Input Set : D:\25 D0617.70002US10 MXA seq list.txt

Output Set: N:\CRF4\11032005\I893878C.raw

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 216 <222> LOCATION: (4)..(6)
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 221 <222> LOCATION: (8)..(10)
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 226 <222> LOCATION: (12)..(16)
 227 <223> OTHER INFORMATION: where Xaa can be any naturally occurring amino acid
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 231 <222> LOCATION: (18)..(19)
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 234 <220> FEATURE:
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 244 <400> SEQUENCE: 4

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 247 1 5 10 15

-> 250 Leu Xaa Xaa His Xaa Xaa Xaa His Xaa Xaa Xaa Xaa Xaa
 251 20 25

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RAW SEQUENCE LISTING

DATE: 11/03/2005

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Input Set : D:\25 D0617.70002US10 MXA seq list.txt

Output Set: N:\CRF4\11032005\I893878C.raw

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333 <221> NAME/KEY: misc_feature

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RAW SEQUENCE LISTING ERROR SUMMARY
 PATENT APPLICATION: US/09/893,878C

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Input Set : D:\25 D0617.70002US10 MXA seq list.txt
 Output Set: N:\CRF4\11032005\I893878C.raw

Base Note:

of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> <223> fields of each sequence which presents at least one n or Xaa.

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 I#2; Xaa Pos. ~~2,4,5,7,8,9,11,12,13,14,15,17,18,20,21,22,24,25,26,27,28~~
 I#3; Xaa Pos. ~~2,4,5,6,7,8,9,10,12,13,14,15,16,18,19,21,22,23,25,26,27,28~~
 I#3; Xaa Pos. ~~29~~
 I#4; Xaa Pos. ~~2,4,5,6,7,8,9,10,12,13,14,15,16,18,19,21,22,23,25,26,27,28~~
 I#4; Xaa Pos. ~~29~~
 I#5; Xaa Pos. ~~2,4,5,6,7,9,10,11,13,14,15,16,17,19,20,22,23,24,26,27,28~~
 I#5; Xaa Pos. ~~29,30~~
 I#6; Xaa Pos. ~~2,4,5,6,7,9,10,11,13,14,15,16,17,19,20,22,23,24,26,27,28~~
 I#6; Xaa Pos. 29,30
 I#7; Xaa Pos. 1,3,4,5,6,8
 I#8; Xaa Pos. 3,5,6,7,8,10
 I#19; Xaa Pos. 1,2,4,5,6,7,9,10
 I#20; Xaa Pos. 1,4,5,6,8,9,10,11,12
 I#21; Xaa Pos. 1,2,5,6,7,9,10,11,12,13
 I#22; Xaa Pos. 1,4,5,6,8,9,10,11,12,14
 I#23; Xaa Pos. 1,2,5,6,7,9,10,11,12,13,15
 I#24; Xaa Pos. 1,4,5,6,8,9,10,11,12,14,15
 I#25; Xaa Pos. 1,2,5,6,7,9,10,11,12,13,15,16
 I#26; Xaa Pos. 1,4,5,6,8,9,10,11,12,14,15,16
 I#27; Xaa Pos. 1,2,5,6,7,9,10,11,12,13,15,16,17
 I#28; Xaa Pos. 1,4,5,6,8,9,10,11,12,14,15,16,17
 I#29; Xaa Pos. 1,2,5,6,7,9,10,11,12,13,15,16,17,18
 I#30; Xaa Pos. 1,4,5,6,8,9,10,11,12,14,15,16,17,18
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 I#32; Xaa Pos. 1,2,5,6,7,8,9,11,12,13,14,16,17,18,19,22
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 I#35; Xaa Pos. 2,3,4,5,6,7,9,10,11,12,13,14,17,18,20,21,22,23,24
 I#36; Xaa Pos. 2,3,4,5,6,7,9,10,11,12,13,14,17,18,20,21,22,23,24,25
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 I#40; Xaa Pos. 5,6,7,8,9,10
 I#41; Xaa Pos. 5,6,7,8,9,10
 I#42; Xaa Pos. 4,6,7,8,9,10,11
 I#88; N Pos. 4,5,6,7,8
 I#106; N Pos. 6,9,12,15,18,21,24,27,30,33,36,39,42,45,48,51,54,60,63,66
 I#106; N Pos. 69,72,75,78,81,84,87,90,93,96,99,102,105,108,111,114,117
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 I#106; N Pos. 162,165,168,171,174,177,180,183,186,189,192,195,198,201
 I#106; N Pos. 204,207,210,213,216,219,222,228,231,234,237,240,243,246
 I#106; N Pos. 249,252,255,258,261,264,267,270,273,276,279,282,285,288
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 I#106; N Pos. 339,342,345,348,351,354,357,360,363,366,369,372,375,378

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Output Set: N:\CRF4\11032005\I893878C.raw

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I#:131; N Pos. 40,41
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I#:134; N Pos. 28,29,30,31,32,33,34,35,36,37,38,39,40,41,42
I#:135; N Pos. 29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47
I#:135; N Pos. 48,49
I#:151; N Pos. 5,6,7,8,9
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I#:172; N Pos. 22,23,24,28,29,30,52,53,54,58,59,60
I#:173; N Pos. 22,23,24,64,65,66
I#:176; N Pos. 18,19,27,28,33,34,35,37,57,58,59,66,67,68,69,70,71,120,121
I#:176; N Pos. 122
I#:177; Xaa Pos. 4,7,9,10,17,20,21,38
I#:178; N Pos. 19,20,21
I#:179; N Pos. 18,19,27,28,33,34,35,37,57,58,59,66,67,68,69,70,71
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I#:183; Xaa Pos. 4,6,12,16,22,24,27,29
I#:184; N Pos. 18,19,24,25,42,43,44,55,56
I#:185; N Pos. 31,32,33,37,38,39,46,48,54
I#:193; N Pos. 4,5,6,7,8,9
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I#:287; Xaa Pos. 1
I#:297; Xaa Pos. 14
I#:301; Xaa Pos. 1

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38 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:16
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354 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0
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1247 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37 after pos.:0
1251 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37 after pos.:16
1286 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38 after pos.:0
1290 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38 after pos.:16
1325 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39 after pos.:0
1329 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39 after pos.:16
1349 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40 after pos.:0
1368 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:41 after pos.:0

VERIFICATION SUMMARY

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Output Set: N:\CRF4\11032005\I893878C.raw

1393 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42 after pos.:0
2558 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:88 after pos.:0
3434 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:106 after pos.:0
3436 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:106 after pos.:60
3438 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:106 after pos.:120
3440 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:106 after pos.:180
3442 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:106 after pos.:240
3444 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:106 after pos.:300
3446 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:106 after pos.:360
1089 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:107 after pos.:0
1091 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:107 after pos.:60
1093 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:107 after pos.:120
1095 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:107 after pos.:180
1097 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:107 after pos.:240
1099 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:107 after pos.:300
1101 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:107 after pos.:360
1467 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:129 after pos.:0
1567 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:130 after pos.:0
1701 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:131 after pos.:0
1779 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:133 after pos.:0
1877 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:134 after pos.:0
3011 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:135 after pos.:0
3233 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:151 after pos.:0
3678 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:170 after pos.:0
3680 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:170 after pos.:60
3737 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:171 after pos.:0
3741 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:171 after pos.:16
3745 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:171 after pos.:32
3827 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:172 after pos.:0
3880 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:173 after pos.:0
3882 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:173 after pos.:60
3045 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:176 after pos.:0
3047 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:176 after pos.:60
3049 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:176 after pos.:120
3110 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:177 after pos.:0
3114 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:177 after pos.:16
3118 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:177 after pos.:32
3149 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:178 after pos.:0
3256 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:179 after pos.:0
3258 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:179 after pos.:60
3409 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:182 after pos.:0
3411 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:182 after pos.:60
3479 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:183 after pos.:0
3483 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:183 after pos.:16
3548 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:184 after pos.:0
3616 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:185 after pos.:0
3845 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:193 after pos.:0
3628 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:281 after pos.:0
3653 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:282 after pos.:0

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3698 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:284 after pos.:0
3763 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:287 after pos.:0
3972 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:297 after pos.:0
9065 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:301 after pos.:0